

What we claim is:-

- 1 A cosmetic composition comprising at least 60% by
weight in total of a water immiscible carrier liquid
5 and structurant system therefor, and from 1 to 30% by
weight of a particulate antiperspirant active suspended
in said carrier liquid said carrier liquid comprising
a mixture of a hydrocarbon oil and an aromatic ester
oil in a weight ratio of from 1:2 to 15:1 and said
10 structurant system comprising from 5.5 to 20% in total
of a di or triblock alkylene/arylene block copolymer
and an organic wax in a weight ratio to each other of
from 5:1 to 30:1.
- 15 2 A cosmetic composition according to claim 1 wherein the
weight ratio of hydrocarbon oil to aromatic ester oil
is at least 2:3.
- 20 3 A cosmetic composition according to claim 2 wherein the
weight ratio of hydrocarbon oil to aromatic ester oil
is at least 1:1.
- 25 4 A cosmetic composition according to claim 1 wherein the
weight ratio of hydrocarbon oil to aromatic ester oil
is up to 6:1.
- 30 5 A cosmetic composition according to claim 4 wherein the
weight ratio of hydrocarbon oil to aromatic ester oil
is up to 4:1.

- 43 -

6 A cosmetic composition according to claim 1 wherein the
weight ratio of hydrocarbon oil to aromatic ester oil
is from 1:1 to 4:1.

5 7 A cosmetic composition according to claim 1 wherein the
total weight proportion of carrier oils in the
composition is at least 45%.

8 A cosmetic composition according to claim 7 wherein the
10 total weight proportion of carrier oils in the
composition is at least 55%.

9 A cosmetic composition according to claim 1 wherein the
total weight proportion of carrier oils in the
15 composition is not more than 80%.

10 A cosmetic composition according to claim 1 wherein the
total weight proportion of carrier oils in the
composition is not more than 70%.

20

11 A cosmetic composition according to claim 1 or 6
wherein the total weight proportion of carrier oils in
the composition is from 55 to 70%.

25 12 A cosmetic composition according to claim 1 wherein the
weight ratio of carrier oils to structurant system is
within the range of from 6:1 to 10:1.

13 A cosmetic composition according to claim 12 wherein
30 the total weight proportion of carrier oils in the
composition is from 55 to 70%.

- 14 A cosmetic composition according to claim 12 or 13
wherein the weight ratio of hydrocarbon oil to aromatic
ester oil is from 1:1 to 4:1.
- 5
- 15 A cosmetic composition according to claim 1 or 12
wherein the structurant system comprises at least 6% by
weight of the composition.
- 10 16 A cosmetic composition according to claim 1 or 12
wherein the structurant system comprises not more than
12% by weight of the composition.
- 15 17 A cosmetic composition according to claim 12 wherein
the structurant system comprises from 6% to 12% by
weight of the composition, the weight ratio of carrier
oils to structurant system is within the range of from
6:1 to 10:1 and the weight ratio of hydrocarbon oil to
aromatic ester oil in the carrier oils is from 1:1 to
20 4:1.
- 18 A cosmetic composition according to claim 1 or 12
wherein the weight ratio or the organic wax to the
block copolymer is at least 8:1.
- 25
- 19 A cosmetic composition according to claim 1 or 12
wherein the weight ratio or the organic wax to the
block copolymer is up to 24:1.
- 30 20 A cosmetic composition according to claim 1 or 12
wherein the numerical product obtained by multiplying

- 45 -

the weight percentage of organic wax with the weight percentage of the block copolymer is in the range of 4 to 6.5.

- 5 21 A cosmetic composition according to claim 1 or 12
 wherein the weight percentage of organic wax in the
 composition is from 6 to 9%.
- 10 22 A cosmetic composition according to claim 1, 12 or 21
 wherein the organic wax comprises one or more waxes
 selected from hydrocarbon waxes, waxy linear fatty
 alcohols and esters of fatty acids or mixtures thereof
 said wax being solid at 40°C.
- 15 23 A cosmetic composition according to claim 22 wherein
 the wax comprises ester derived from fatty acids and
 glycerol and/or ethylene glycol.
- 20 24 A cosmetic composition according to claim 1 or 12
 wherein the arylene/alkylene block copolymer is derived
 from styrene and butadiene or isoprene or
 ethylene/butylene or ethylene propylene.
- 25 25 A cosmetic composition according to claim 1 or 12
 wherein the block copolymer is introduced into the
 composition in the form of a pre-dispersion in a
 hydrocarbon oil.
- 30 26 A cosmetic composition according to claim 25 wherein
 the concentration of the block copolymer in the pre-
 dispersion is from 1.5 to 4% by weight.

- 27 A cosmetic composition according to claim 1 or 12
wherein a dispersion of the block copolymer in the
carrier oils has a viscosity of from 1 to 25 Pa.s when
5 measured at 25°C in a viscometer.
- 28 A cosmetic composition according to claim 17 wherein
the structurant comprises from 6 to 9% of said organic
wax is selected from the group consisting of
10 hydrocarbon waxes, waxy linear fatty alcohols and
esters of fatty acids and mixtures thereof that are
solid at 40°C and said arylene/alkylene block copolymer
is derived from styrene and butadiene or isoprene or
ethylene/butylene or ethylene propylene.
- 15 29 A cosmetic composition according to claim 1 wherein the
antiperspirant active is an astringent aluminium and/or
zirconium salt, preferably a halohydrate.
- 20 30 A cosmetic composition according to claim 29 wherein
the astringent salt is an aluminium and/or zirconium
chlorohydrate, optionally activated, and/or an
aluminium/zirconium complex with an amino acid.
- 25 31 A cosmetic composition according to claim 30 wherein
the astringent salt is an activated aluminium
chlorohydrate or an aluminium zirconium chlorohydrate
complexed with glycine.

32 A cosmetic composition according to any one of claims
29 to 31 wherein the antiperspirant active is free from
hollow particles and has a refractive index which
differs from the average refractive index of the
5 carrier liquids by from 0.01 to 0.05 units.

33 A cosmetic composition according to claim 32 wherein
the weight ratio of hydrocarbon oil to aromatic ester
oil is from 1:1 to 4:1 and the total weight proportion
10 of carrier oils in the composition is from 55 to 70%.

34 A cosmetic composition according to claim 33 wherein
the weight ratio of carrier oils to structurant system
is within the range of from 6:1 to 10:1.

15 35 A cosmetic composition according to claim 33 wherein
the structurant comprises from 6 to 9% of said organic
wax is selected from the group consisting of
hydrocarbon waxes, waxy linear fatty alcohols and
20 esters of fatty acids and mixtures thereof that are
solid at 40°C and said aryylene/alkylene block copolymer
is derived from styrene and butadiene or isoprene or
ethylene/butylene or ethylene propylene.

25 36 A cosmetic product comprising an anhydrous soft solid
cosmetic composition contained within a dispensing
container comprising a chamber for the cosmetic
composition provided at one end with a closure defining
at least one aperture and with a means for impelling
30 the antiperspirant composition towards the cover, in

- 48 -

which the cosmetic composition is in accordance with claim 1.

37 A cosmetic product according to claim 36 wherein the
5 dispensing container is free from immediate pressure reducing means.

38 A cosmetic product according to claim 36 wherein the at
least one aperture constitutes not more than 14% of the
10 surface area of the closure for the dispensing container.

39 A cosmetic product according to claim 38 wherein the at
least one aperture constitutes from 3 to 13% of the
15 surface area of the closure.

40 A cosmetic product according to any one of claims 36 to
39 wherein the weight ratio of hydrocarbon oil to
aromatic ester oil in the composition is from 1:1 to
20 4:1 and the total weight proportion of carrier oils in the composition is from 55 to 70%.

41 A cosmetic composition according to any one of claims
36 to 39 wherein the weight ratio of carrier oils to
25 structurant system is within the range of from 6:1 to 10:1.

42 A cosmetic composition according to any one of claims
36 to 39 wherein the structurant comprises from 6 to 9%
30 of said organic wax is selected from the group consisting of hydrocarbon waxes, waxy linear fatty

alcohols and esters of fatty acids and mixtures thereof that are solid at 40°C and said arylene/alkylene block copolymer is derived from styrene and butadiene or isoprene or ethylene/butylene or ethylene propylene.

5

43 A process of making a cosmetic product comprising a dispensing container comprising a chamber for a cosmetic composition provided at one end with a closure defining at least one aperture and with a means for
10 impelling the antiperspirant composition towards the closure, wherein the cosmetic composition is in accordance with any of claims 1 to 23, and the process comprises the steps of:-

- 15 i) forming a mixture of the organic wax and at least a fraction or component of the carrier fluid mixture comprising hydrocarbon oil and/or aromatic ester oil;
ii) stirring the mixture and raising its temperature to a temperature selected within the range of from 50 to 120°C at which the mixture is homogeneous;
20 iii) introducing into the mixture the copolymer, optionally premixed with the remainder of the carrier liquid, stirring the augmented mixture and maintaining or elevating its temperature within the range of up to 120°C until it is homogeneous;
25 iv) introducing the particulate antiperspirant with stirring into the homogenous augmented mixture at a temperature above its normal setting temperature;
v) introducing the resultant antiperspirant-containing mixture into the chamber of the dispenser
30 and

- 50 -

vi) cooling the antiperspirant-containing composition or allowing it to cool to below a temperature at which it forms a soft solid.

- 5 44 A cosmetic method of controlling perspiration comprising applying topically to skin a cosmetic composition according to claim 1.